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AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/07/2019

Lab ID	:	CP-2019-10-09-09
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of General Public Toilet in Mallasandra Colony School in Ward No.13 Shettyhalli Sub Division
Agency	:	Sri.Muniraj Naik, #58 Rayan Nagara Nelamangala ,Bangalore-562123
Customer's Reference	:	EE/DD/WO/340/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Customer ID	:	Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/07/2019

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Concrete	M25	16/07/2019	23/07/2019	149.56 X 149.57 X 151.43	22370	8.088	532.9	23.8	23.0
2	Roof Concrete	M25	16/07/2019	23/07/2019	150.38 X 151.76 X 149.47	22822	8.520	508.7	22.3	
3	Roof Concrete	M25	16/07/2019	23/07/2019	149.47 X 151.50 X 151.17	22645	8.008	517.7	22.9	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig. Date

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID	:	**CP-2019-10-09-09**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore. **Date: 13/08/2019**
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of General Public Toilet in Mallasandra Colony School in Ward No.13 Shettyhalli Sub Division
Agency	:	Sri.Muniraj Naik, #58 Rayan Nagara Nelamangala ,Bangalore-562123
Customer's Reference	:	EE/DD/WO/340/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Customer ID	:	Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Concrete	M25	16/07/2019	13/08/2019	151.33 X 150.47 X 150.93	22770	8.560	637.1	28.0	27.8
2	Roof Concrete	M25	16/07/2019	13/08/2019	150.03 X 149.19 X 150.59	22384	8.207	594.4	26.6	
3	Roof Concrete	M25	16/07/2019	13/08/2019	151.38 X 150.87 X 149.57	22838	8.045	661.1	28.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/07/2019

Lab ID	:	CP-2019-10-09-09
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of General Public Toilet in Mallasandra Colony School in Ward No.13 Shettyhalli Sub Division
Agency	:	Sri.Muniraj Naik, #58 Rayan Nagara Nelamangala ,Bangalore-562123
Customer's Reference	:	EE/DD/WO/340/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Customer ID	:	Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Concrete	M25	16/07/2019	23/07/2019	150.33 X 150.15 X 149.83	22571	8.088	534.4	23.7	22.9
2	Roof Concrete	M25	16/07/2019	23/07/2019	151.82 X 151.73 X 149.17	23035	8.520	526.6	22.9	
3	Roof Concrete	M25	16/07/2019	23/07/2019	150.27 X 149.74 X 149.01	22502	8.008	496.0	22.0	

Note:
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-10-09-09 **Date: 13/08/2019**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of General Public Toilet in Mallasandra Colony School in Ward No.13 Shettyhalli Sub Division

Agency : Sri.Muniraj Naik, #58 Rayan Nagara Nelamangala ,Bangalore-562123

Customer's Reference : EE/DD/WO/340/18-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-07-19

Customer ID : Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Roof Concrete	M25	16/07/2019	13/08/2019	151.77 X 151.34 X 150.68	22969	8.560	636.7	27.7	27.4
2	Roof Concrete	M25	16/07/2019	13/08/2019	150.86 X 151.75 X 150.89	22893	8.207	595.9	26.0	
3	Roof Concrete	M25	16/07/2019	13/08/2019	151.11 X 151.50 X 150.32	22893	8.045	650.7	28.4	

Note:
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Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2019-10-09-09 **Date: 25-06-19**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of General Public Toilet in Mallasandra Colony School in Ward No.13 Shettyhalli Sub Division
Agency	:	Sri.Muniraj Naik, #58 Rayan Nagara Nelamangala ,Bangalore-562123
Customer's Reference	:	EE/DD/WO/340/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-06-19
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	20-06-19

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	400	200	200	16000	33.976	2123.5	2014.7	Not less than 1800Kg/m^3
2	405	203	202	16607	31.009	1867.2		
3	398	200	198	15761	32.366	2053.6		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

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Lab ID : CP-2019-10-09-09 Date: 25-06-19

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	200	200	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	402	199	201	
3	403	203	202	
4	403	200	202	
5	403	202	200	
6	399	200	202	
7	404	202	203	
8	404	200	201	
9	402	199	199	
10	404	203	202	
11	400	200	199	
12	402	200	202	
13	401	201	201	
14	402	201	203	
15	400	203	200	
16	403	201	203	
17	402	202	202	
18	401	203	202	
19	400	202	200	
20	403	200	203	
Average of 20	402	201	201	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಟ್ಟಿಕಳ್ಳ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಬಿ.ಎಸ್ ಡಿವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

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